

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **10258232 A**

(43) Date of publication of application: **29.09.98**

(51) Int. Cl

B01J 23/58

B01D 53/86

B01D 53/94

B01J 20/04

B01J 23/42

B01J 23/48

B01J 23/89

B01J 33/00

B01J 35/02

(21) Application number: **09277649**

(71) Applicant: **TOYOTA MOTOR CORP**

(22) Date of filing: **09.10.97**

(72) Inventor: **OGURA YOSHITSUGU**

(30) Priority: **14.11.96 JP 08303182**
17.01.97 JP 09 6572

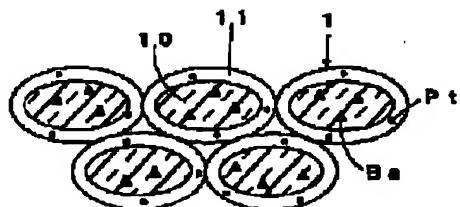
YOSHIDA TAKESHI

**(54) CATALYST FOR EXHAUST GAS PURIFICATION
AND MANUFACTURE THEREOF**

(57) Abstract:

PROBLEM TO BE SOLVED: To further improve the durability by increasing the inhibitive effects upon the poisoning of an occlusion material by sulfur and at the same time, inhibiting the sintering of a catalytic noble metal, in an occlusion reduction-type catalyst.

SOLUTION: This catalyst for exhaust gas purification comprises a core part 10 made up of a first carrier and an NO_x occlusion material contained in the first carrier and a catalyst carrying layer 11 made up of a second carrier and a catalytic noble metal contained in the second carrier and formed on the surface of the core part 10. SO_x is prevented from reaching the core part 10 by the catalyst carrying layer 11 and the sintering of the catalytic noble metal is prevented from occurring as the NO_x occlusion material is separated from the catalytic noble metal.



COPYRIGHT: (C)1998,JPO